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HEAD SUSPENSION WITH COMPLIANT LOCATING FEATURE

This application is a divisional application of a pending U.S. patent application, Serial No. 09/966,687, entitled HEAD SUSPENSION WITH COMPLIANT LOCATING FEATURE, ^{now US PAT. 6,657,821} filed on September 28, 2001, which is hereby incorporated by reference in its entirety.

Field of the Invention

This invention relates to disk drive head suspensions having compliant features to facilitate component location during manufacture.

Background of the Invention

In a dynamic storage device, a rotating disk is employed to store information in small magnetized domains strategically located on the disk surface. The disk is attached to and rotated by a spindle motor mounted to a frame of the disk storage device. A "head slider" (also commonly referred to simply as a "slider") having a magnetic read/write head is positioned in close proximity to the rotating disk to enable the writing and reading of data to and from the magnetic domains on the disk. The head slider is supported and properly oriented in relationship to the disk by a head suspension that provides forces and compliance necessary for proper slider operation. As the disk in the storage device rotates beneath the slider and head suspension, the air above the disk similarly rotates, thus creating an air bearing which acts with an aerodynamic design of the head slider to create a lift force on the head slider. The lift force is counteracted by the head suspension, thus positioning the slider at a height and alignment above the disk which is referred to as the "fly height."